

MILKING AND APPLICATOR TEAT CUP, SYSTEM, AND METHOD

ABSTRACT

A milking and applicator teat cup is configured to receive an animal
5 teat within a liner located in a shell. At the openings of the liner and shell
where the teat is received, there is an applicator configured to dispense
disinfectant, conditioning, and/or cleaning solution to the animal teat.
The applicator is designed to discharge the solution horizontally across the
openings of the liner and the shell. Such a teat cup can be integrated into
10 a milking system having a valve manifold coupled to a number of teat
cups and controlling flow of milk from the number of teat cups and flow
of fluid to the applicators, and a controller including logic configured to
provide control signals to the valve manifold. The controller signals the
valve manifold to pre-charge a hose or line delivering fluid to the
15 applicator and signals the valve manifold for the end of milking and begin
delivery of the fluid from the applicator.